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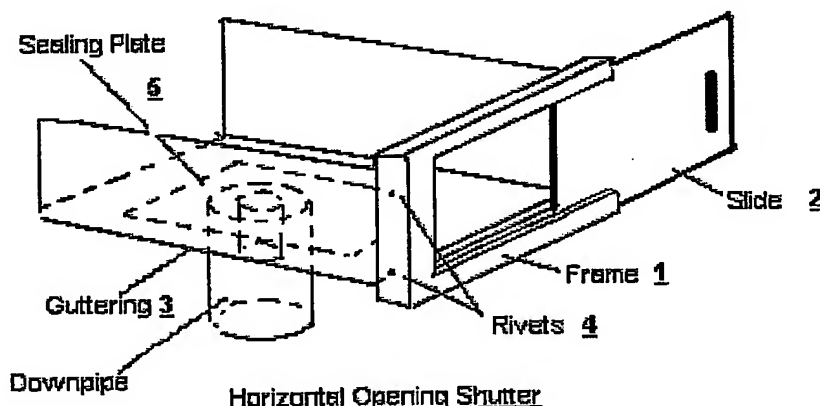
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(72) Inventor: **CROSSLEY, William, James** [AU/AU]; 16 Mooloolah Drive, Minyama, QLD 4575 (AU).
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- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

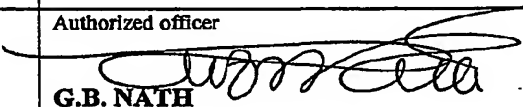
(54) Title: GUTTER CLEANING SHUTTER



(57) Abstract: A gutter cleaning shutter, made from a durable material, is disclosed. It consists of a rigid frame (1) with an internal sliding plate (2). The shutters are fitted to the ends of roof gutters (3) instead of gutter stop ends. The gutter cleaning shutter with sliding plate in place provides normal gutter operation. Opening the sliding plate provides an unobstructed outlet to enable gutters to be cleaned by propelling accumulated rubbish along the gutter and out through the open shutter frame. A strong jet of water from a garden hose would be the recommended method of propelling the rubbish during cleaning. Sealing plates (5) are placed over the tops of downpipes to prevent rubbish falling into the drainage system. When cleaning is completed the sealing plates (5) are removed, and the sliding plate (2) in the cleaning shutter frame (1) closed restoring the normal operation of the roof drainage system.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2003/001516

A. CLASSIFICATION OF SUBJECT MATTER					
Int. Cl. ⁷ : E04D 13/076					
According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols)					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI: IPC(7) E04D 13/076, 13/06 + Keywords (Debris, Rubbish, Leaf, Clear, Clean, Remove, Garbage, Refuse)					
C. DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.			
X	US 4998386 A (BAUMGARTH), 12 March 1991 Figure 3	1-3			
X	Patent Abstracts of Japan, JP 9-144239 A (MATSUSHITA ELECTRIC WORKS LTD.), 3 June 1997 Figures	1-3			
A	Patent Abstracts of Japan, JP 2003-113666 A (SEKISUI CHEMICAL INDUSTRIES CO LTD.), 18 April 2003	1-3			
A	Patent Abstracts of Japan, JP 2001-241154 A (MATSUSHITA ELECTRIC WORKS LTD.), 4 September 2001	1-3			
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex					
<p>* Special categories of cited documents:</p> <table style="width: 100%;"> <tr> <td style="width: 33%;"> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> </td> <td style="width: 33%;"> <p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p> </td> <td style="width: 33%;"></td> </tr> </table>			<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>	
<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier application or patent but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>"&" document member of the same patent family</p>				
Date of the actual completion of the international search 12 January 2004		Date of mailing of the international search report 20 JAN 2004			
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2003/001516

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member
US	4998386	NONE
JP	2003113666	NONE
JP	2001241154	NONE
JP	09144239	NONE
		END OF ANNEX